

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

PATENT APPLICATION

5    entitled:     SPRAYING BOWL, SPRAYING DEVICE INCORPORATING  
                  SUCH A BOWL AND SPRAYING INSTALLATION  
                  INCORPORATING SUCH A DEVICE

10   assigned to: SAMES TECHNOLOGIES

ABSTRACT OF THE DISCLOSURE

15       The bowl according to the invention is provided with magnetic elements  
disposed around a male part which is adapted to be engaged in a central channel  
of a drive member, the magnetic elements forming outer radial flanges with  
respect to this male part.

20       In the spraying device, the bowl is associated with a drive rotor, magnetic  
coupling means being provided which comprise magnetic bodies disposed on  
either side of at least one magnet borne by the rotor, while the bowl bears ribs  
formed in a magnetic material.

      The effort of magnetic coupling obtained has a radial component with  
respect to the axis of rotation of the bowl.